

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111920\
 Data File : VU041347.D
 Acq On : 19 Nov 2020 16:49
 Operator : SY/MD
 Sample : L4790-08DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4420DL

Quant Time: Nov 20 05:58:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	61501	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25627	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15525	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.92	69	15444	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.58	63	26187	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	4.66	46	91511	49.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.12%
24) Chloroform-d	5.08	84	44902	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	28440	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.74	84	70866	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.70	67	25831	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.91	98	54622	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.40%#
43) trans-1,3-Dichloropropene-	8.19	79	10425	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	62486	45.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25224	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23318	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	399	0.073 ug/L #	82
5) Vinyl chloride	1.61	62	50883	9.530 ug/L	100
8) Chloroethane	1.85	64	844	0.238 ug/L #	53
12) 1,1-Dichloroethene	2.59	96	578	0.144 ug/L #	1
14) Carbon disulfide	2.81	76	630	0.053 ug/L #	74
16) Methylene chloride	3.06	84	2490	0.496 ug/L	91
18) trans-1,2-Dichloroethene	3.37	96	10216	2.620 ug/L	94
19) 1,1-Dichloroethane	3.89	63	14258	1.636 ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	26128	5.933 ug/L	99
27) 1,2-Dichloroethane	5.74	62	348	0.051 ug/L #	74
33) Benzene	5.79	78	2013	0.116 ug/L	100
34) Trichloroethene	6.55	95	1713	0.366 ug/L	85
35) Methylcyclohexane	6.70	83	6259	1.007 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3059	0.605 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	659	0.093 ug/L #	67
44) trans-1,3-Dichloropropene	8.19	75	374	0.056 ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	3194	0.800 ug/L #	81

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QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

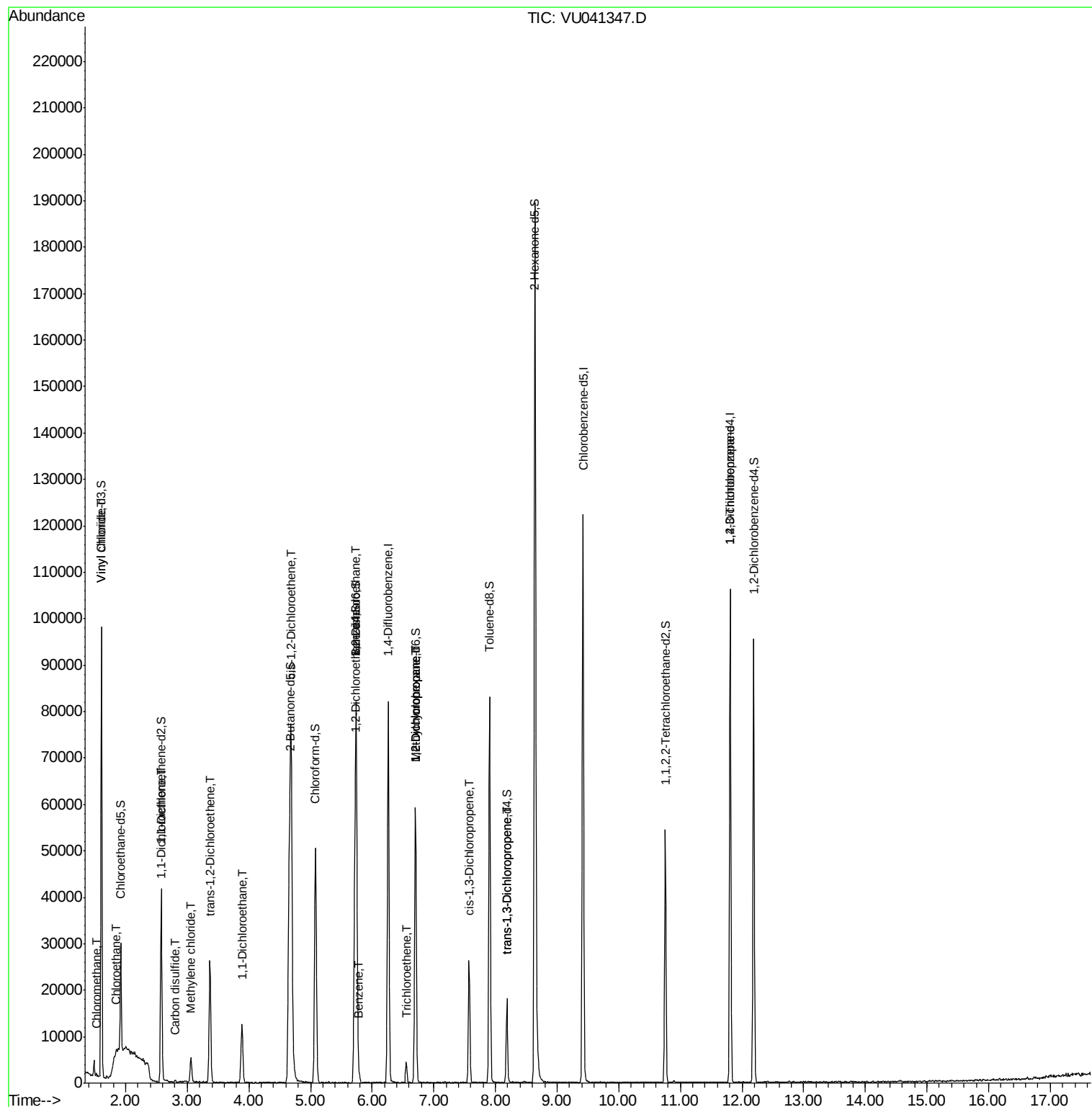
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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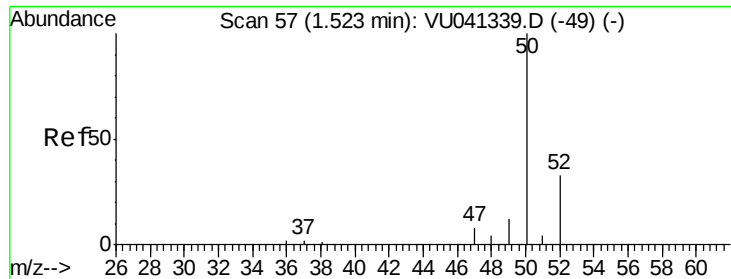
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.073 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

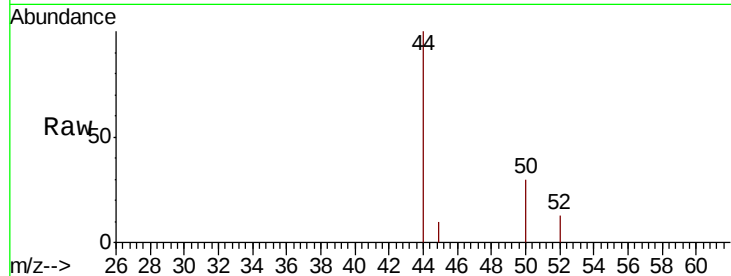
H4420DL

Tot Ion: 50 Resp: 399

Ion Ratio Lower Upper

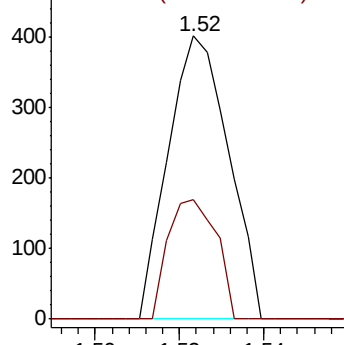
50 100

52 42.0 22.4 41.6#

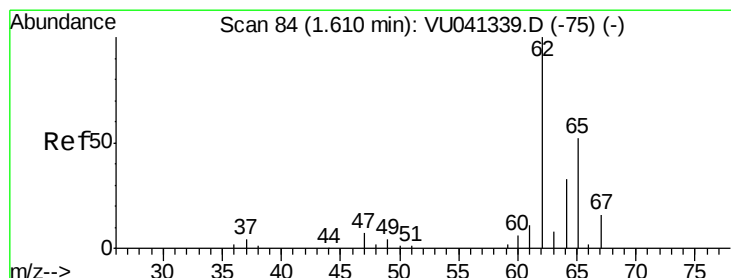
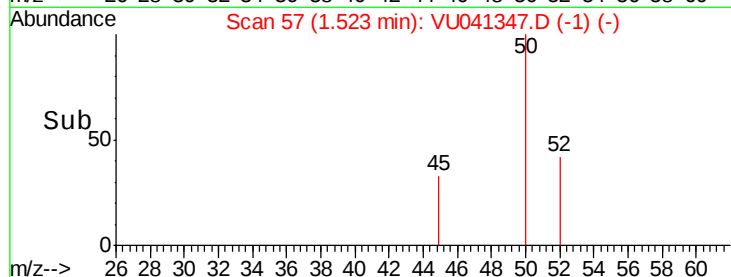


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#5

Vinyl chloride

Concen: 9.530 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041347.D

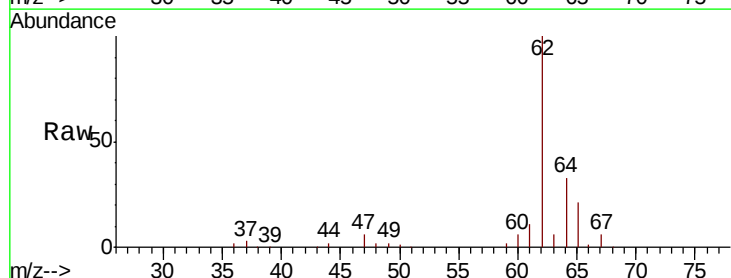
Acq: 19 Nov 2020 16:49

Tgt Ion: 62 Resp: 50883

Ion Ratio Lower Upper

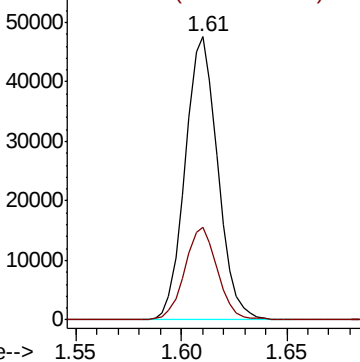
62 100

64 32.6 22.7 42.3

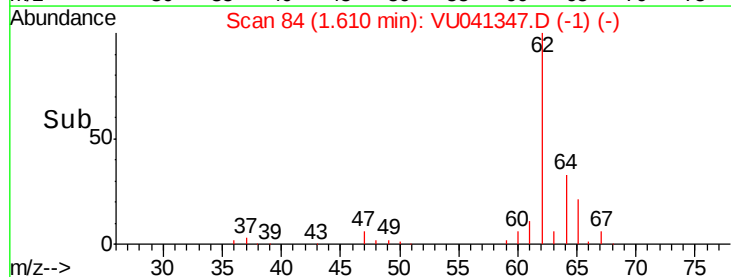


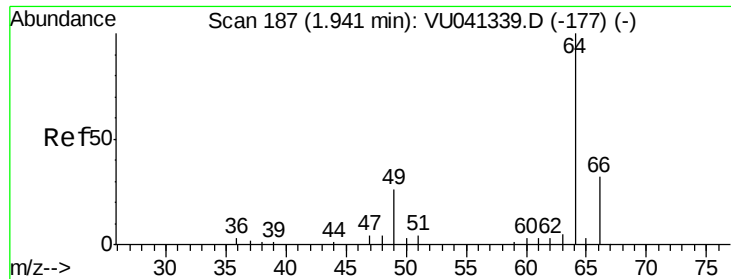
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time-->





#8

Chloroethane

Concen: 0.238 ug/L

RT: 1.85 min Scan# 159

Delta R.T. -0.09 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

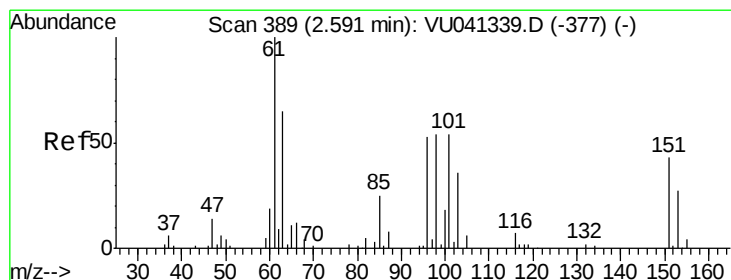
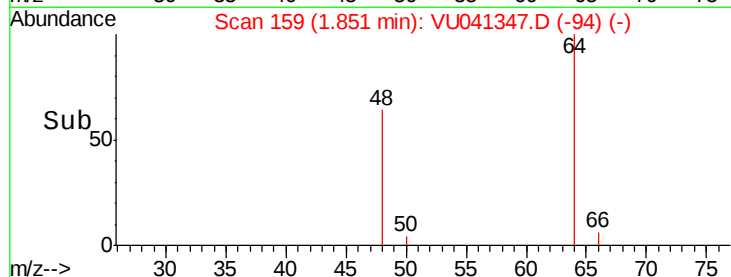
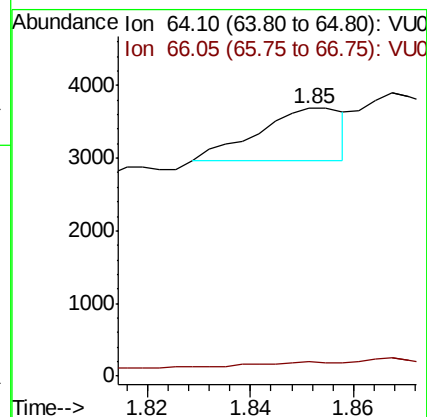
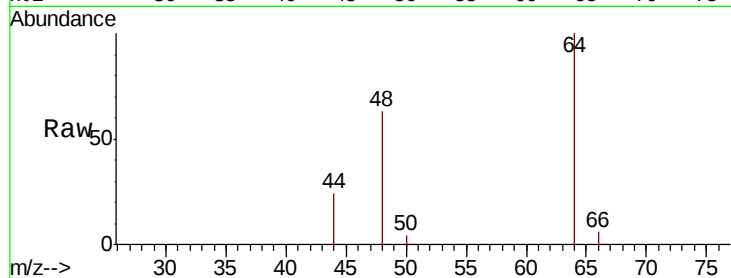
H4420DL

Tot Ion: 64 Resp: 844

Ion Ratio Lower Upper

64 100

66 5.5 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

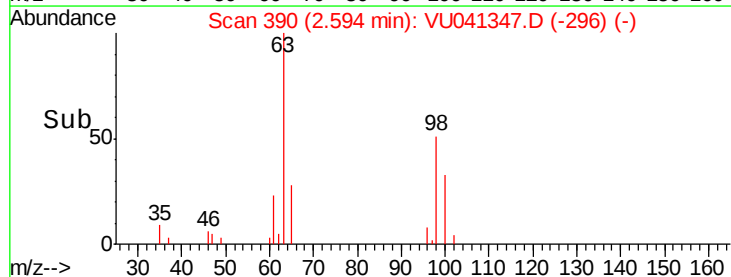
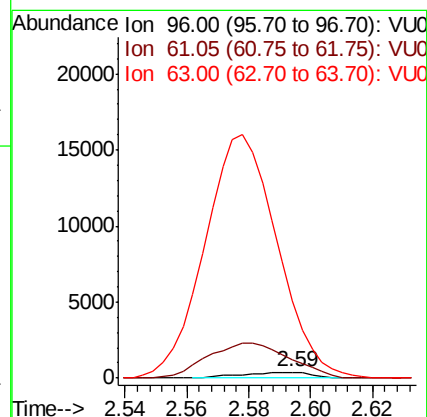
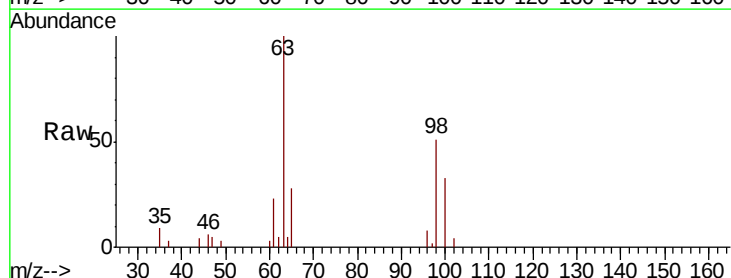
Tgt Ion: 96 Resp: 578

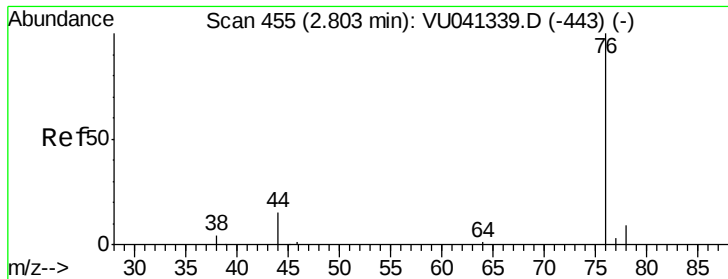
Ion Ratio Lower Upper

96 100

61 305.1 134.3 249.5#

63 1309.8 95.0 176.4#





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

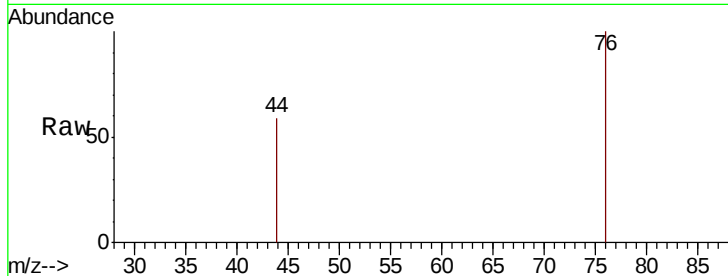
H4420DL

Tot Ion: 76 Resp: 630

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

400

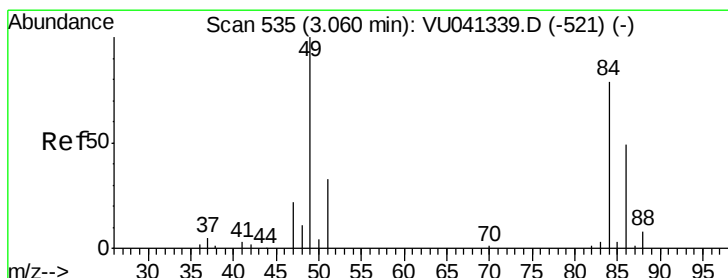
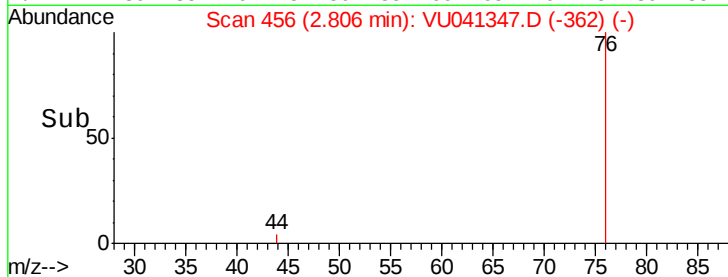
300

200

100

0

Time--> 2.76 2.78 2.80 2.82 2.84



#16

Methylene chloride

Concen: 0.496 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

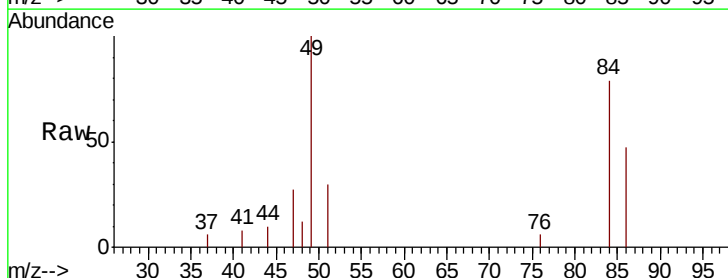
Tgt Ion: 84 Resp: 2490

Ion Ratio Lower Upper

84 100

86 59.4 42.8 79.6

49 127.4 99.5 184.7



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2000

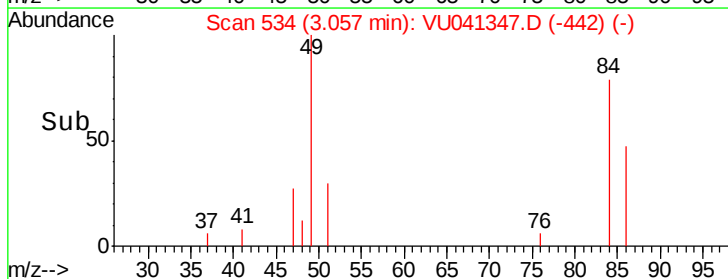
1500

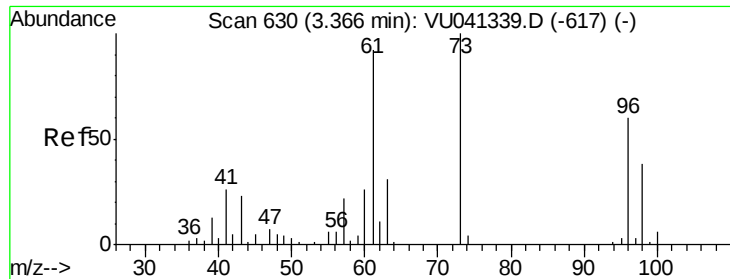
1000

500

0

Time--> 3.00 3.05 3.10

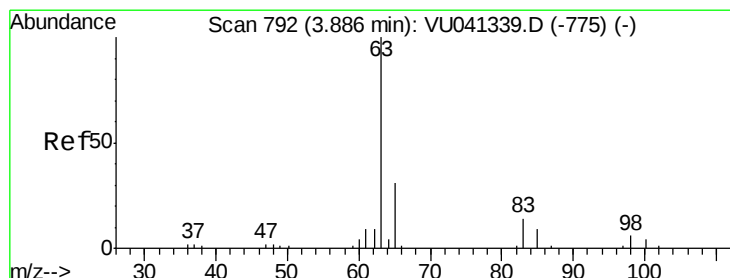
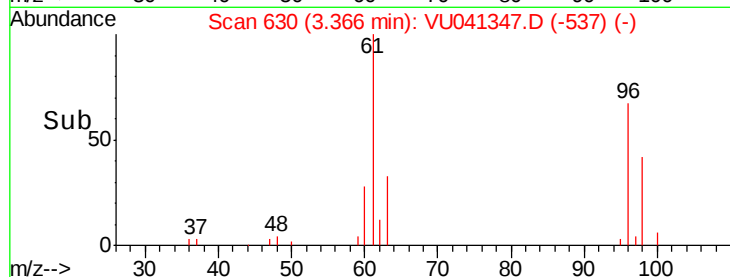
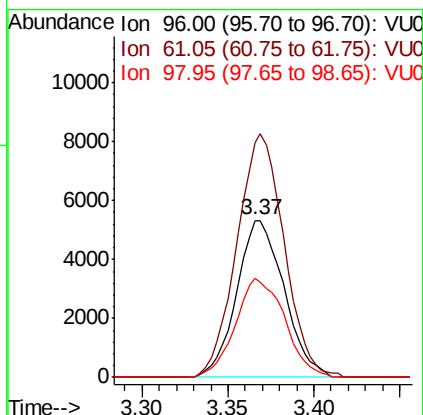
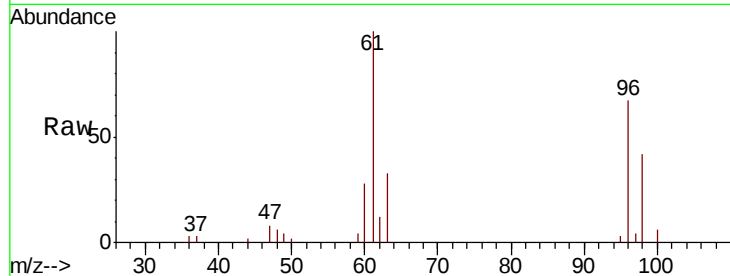




#18
 trans-1,2-Dichloroethene
 Concen: 2.620 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU041347.D
 Acq: 19 Nov 2020 16:49

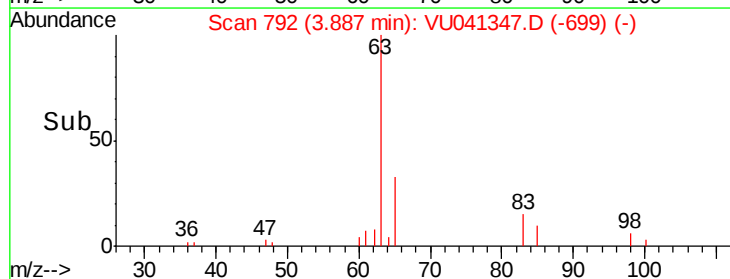
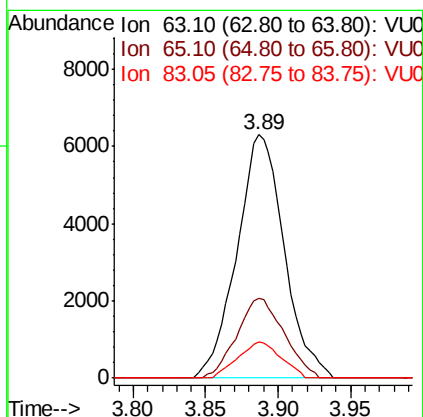
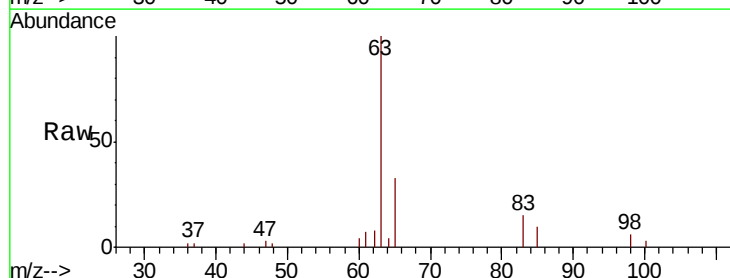
Instrument :
 MSVOA_U
 ClientSampleId :
 H4420DL

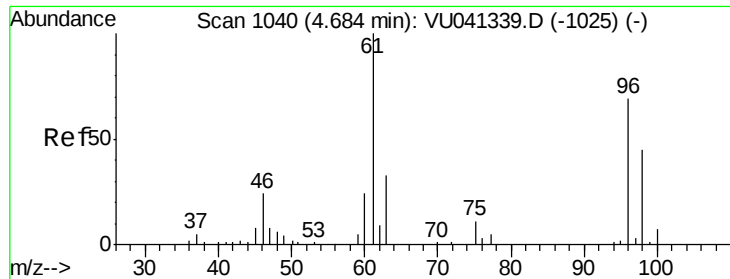
Tot Ion: 96 Resp: 10216
 Ion Ratio Lower Upper
 96 100
 61 149.6 110.9 205.9
 98 62.6 45.4 84.2



#19
 1,1-Dichloroethane
 Concen: 1.636 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041347.D
 Acq: 19 Nov 2020 16:49

Tgt Ion: 63 Resp: 14258
 Ion Ratio Lower Upper
 63 100
 65 33.0 21.3 39.6
 83 14.8 8.8 16.3





#22

cis-1,2-Dichloroethene

Concen: 5.933 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

H4420DL

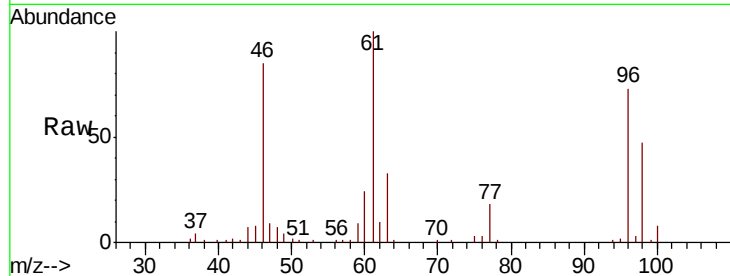
Tot Ion: 96 Resp: 26128

Ion Ratio Lower Upper

96 100

61 137.4 97.2 180.4

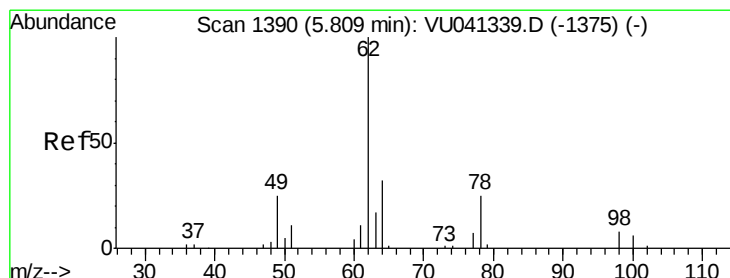
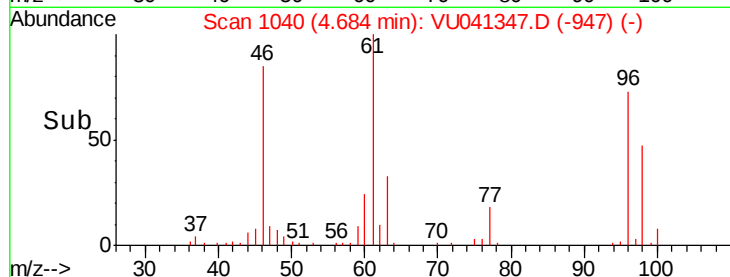
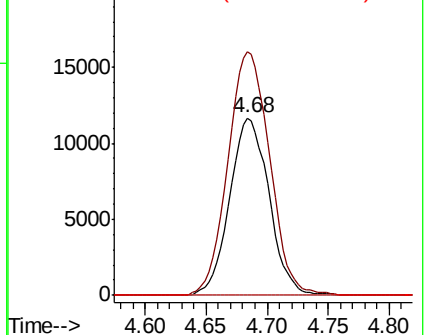
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.051 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041347.D

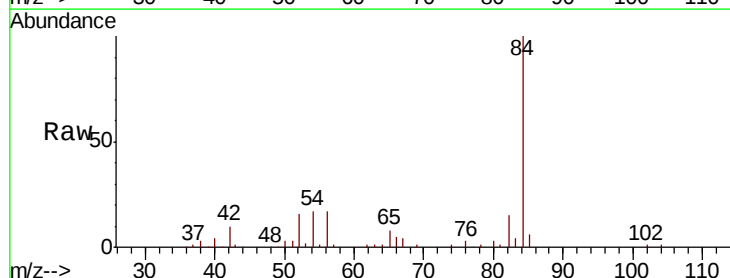
Acq: 19 Nov 2020 16:49

Tgt Ion: 62 Resp: 348

Ion Ratio Lower Upper

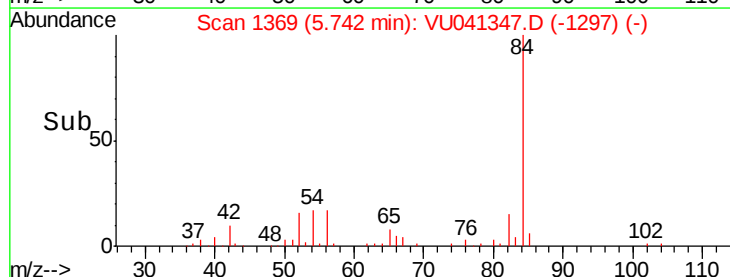
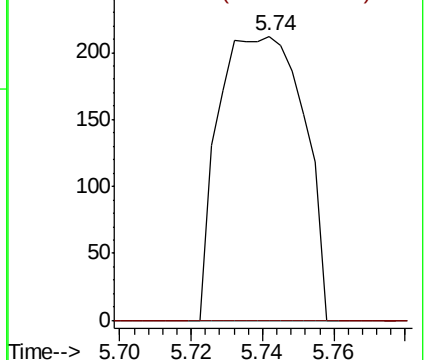
62 100

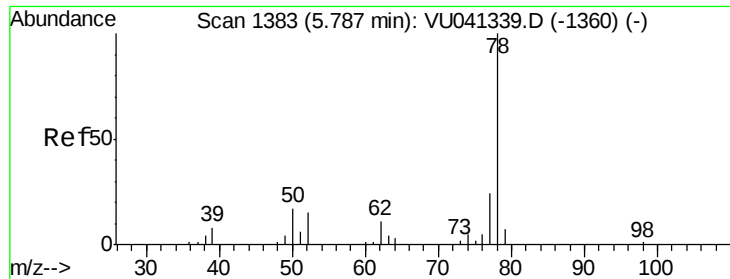
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.116 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

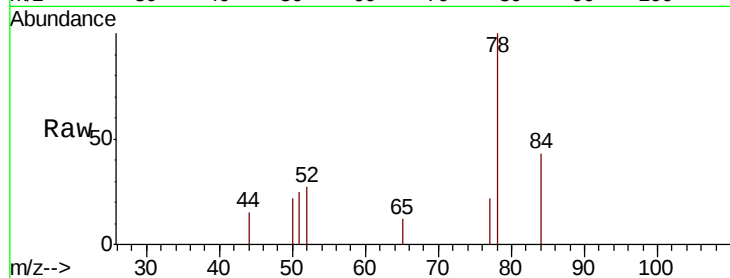
Instrument :

MSVOA_U

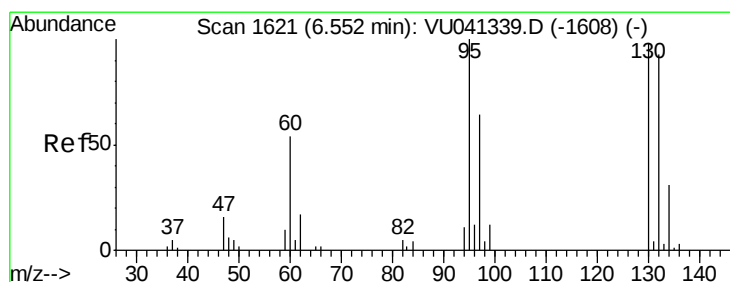
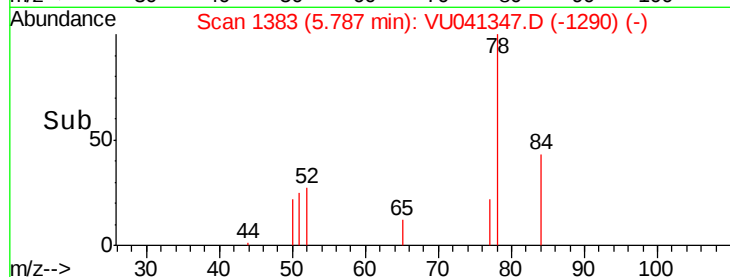
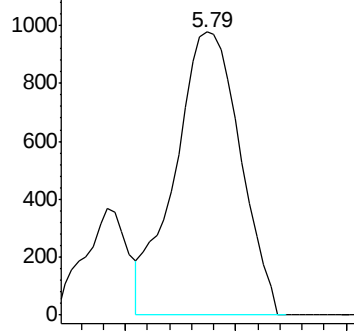
ClientSampleId :

H4420DL

Tgt Ion: 78 Resp: 2013



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.366 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Tgt Ion: 95 Resp: 1713

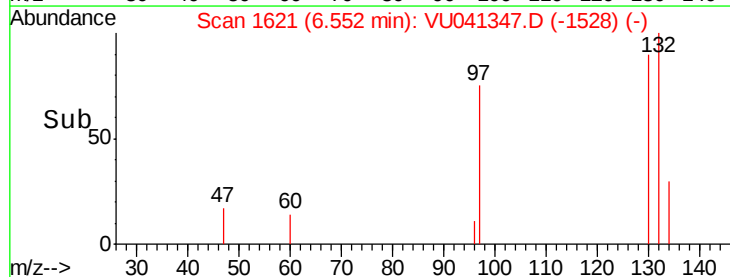
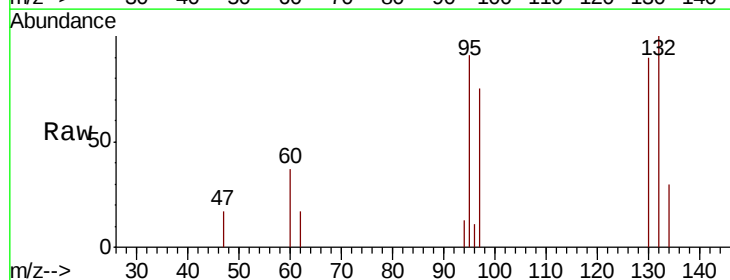
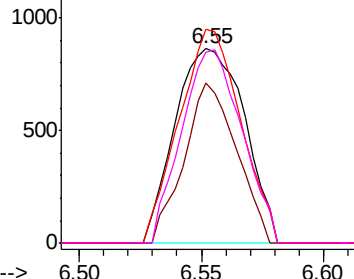
Ion	Ratio	Lower	Upper
95	100		
97	82.3	45.6	84.6
132	109.8	64.8	120.4
130	98.4	64.8	120.4

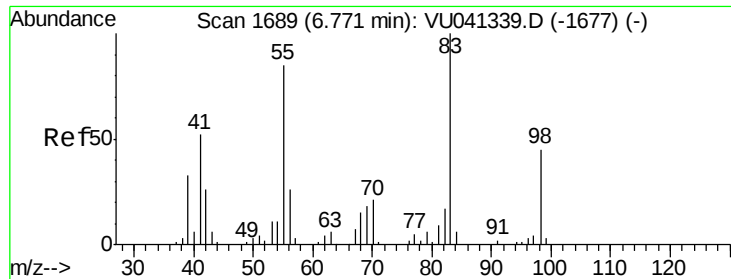
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methvlcvclohexane

Concen: 1.007 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

H4420DL

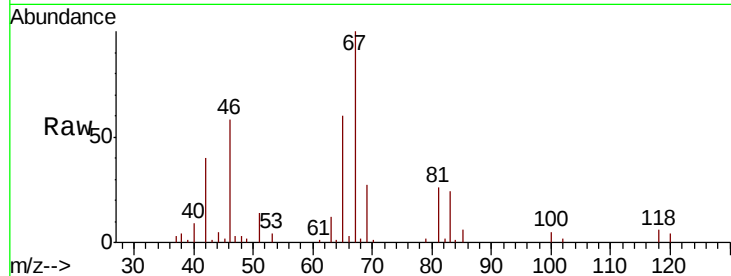
Tot Ion: 83 Resp: 6259

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

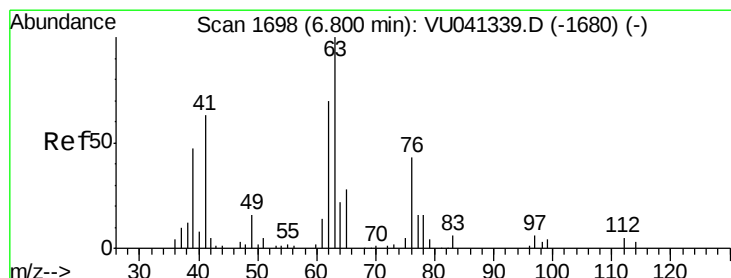
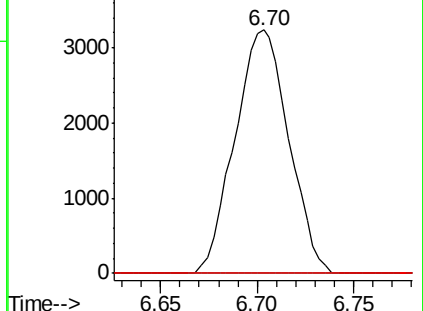
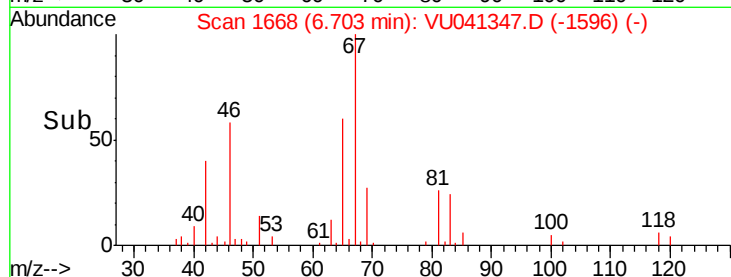
98 0.0 36.6 55.0#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.605 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041347.D

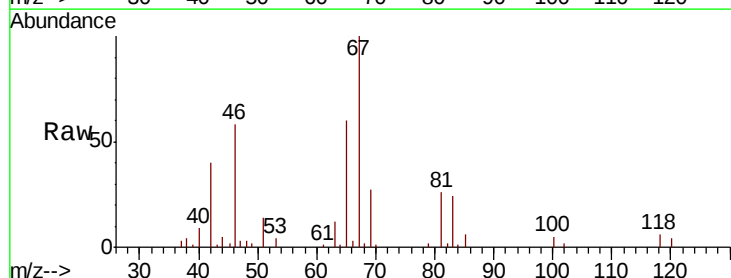
Acq: 19 Nov 2020 16:49

Tgt Ion: 63 Resp: 3059

Ion Ratio Lower Upper

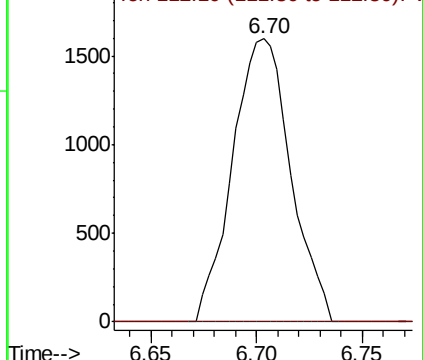
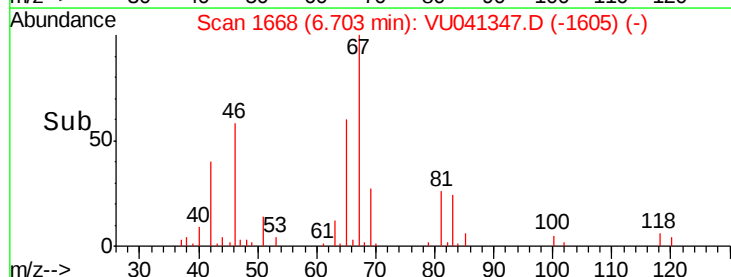
63 100

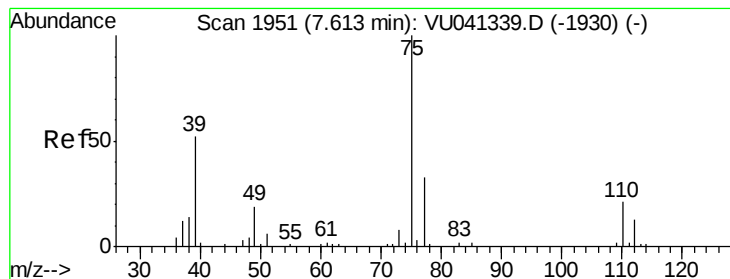
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

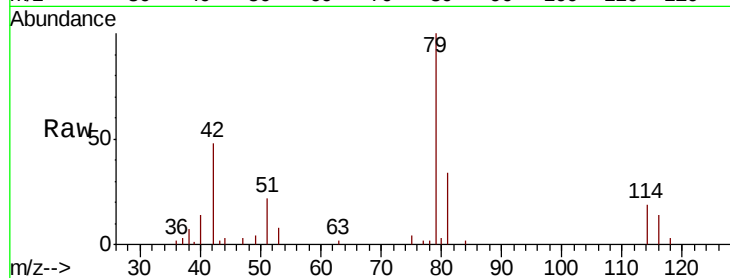
H4420DL

Tot Ion: 75 Resp: 659

Ion Ratio Lower Upper

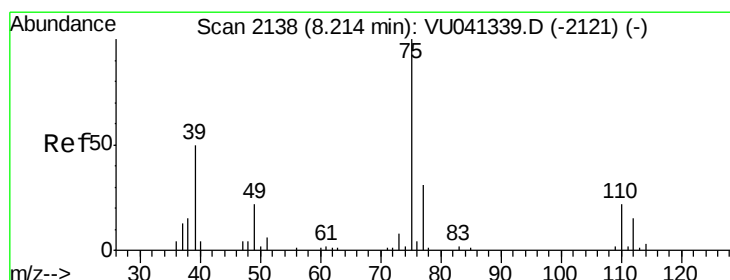
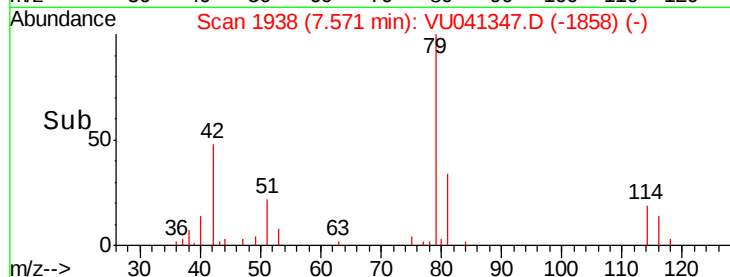
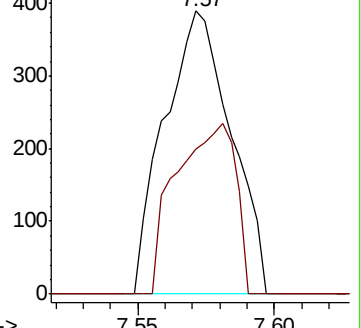
75 100

77 51.2 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041347.D

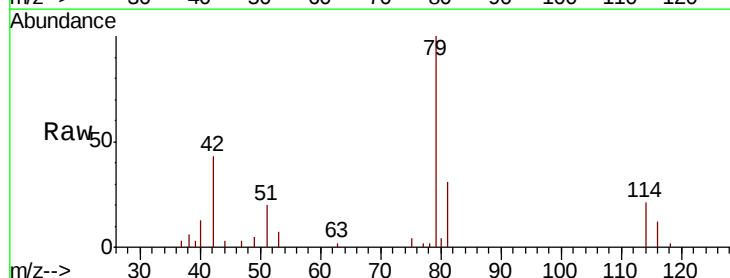
Acq: 19 Nov 2020 16:49

Tgt Ion: 75 Resp: 374

Ion Ratio Lower Upper

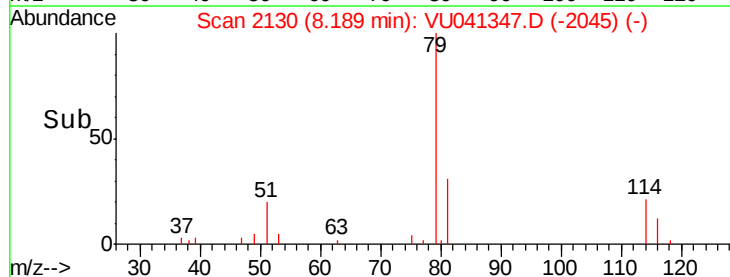
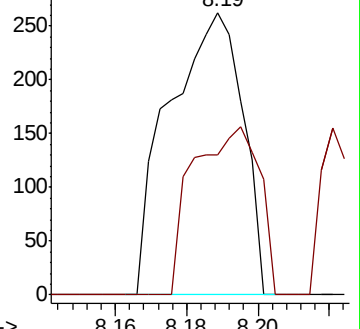
75 100

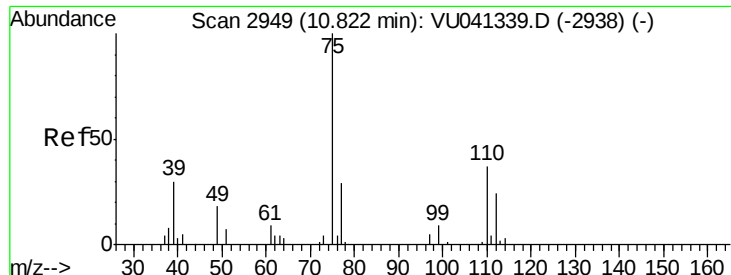
77 49.4 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 0.800 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041347.D

Acq: 19 Nov 2020 16:49

Instrument :

MSVOA_U

ClientSampleId :

H4420DL

Tot Ion: 75 Resp: 3194

Ion Ratio Lower Upper

75 100

77 42.5 25.7 38.5#

